

Subhro Pal

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Professional Summary

Data-driven Data Scientist proficient in Python, SQL, Excel, Power BI, and Machine Learning. He works from end-to-end understanding the problem to building models and sharing results—to help teams make better decisions. He focuses on practical solutions that improve business performance and user experience.

Education

Jagran Lakecity University

Bachelor of Computer Applications (Hons.) in Data Science, CGPA: 8.41/10

Bhopal, Madhya Pradesh

Expected Graduation: 2026

Technical Skills

Programming Languages: Python, SQL

Data Visualization: Tableau, Power BI, Advanced Microsoft Excel, Matplotlib

Machine Learning Frameworks: scikit-learn, TensorFlow, XGBoost

Data Analytics: Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Model Evaluation, Statistical Analysis

AI and Deep Learning: Machine Learning, Deep Learning, Generative AI, Natural Language Processing (NLP), EfficientNet-B0, LLaMA, Stable Diffusion

Professional Experience

Data Analytics Job Simulation

Deloitte Australia on Forage (Remote)

November 2025

Tools: Tableau, Excel

- Developed an interactive data dashboard in Tableau to visualize key business metrics and performance indicators
- Analyzed and classified client data using Advanced Excel functions to derive actionable insights for business decision-making
- Applied data analytics techniques to identify trends and patterns in large datasets

GenAI Powered Data Analytics

Tata India on Forge (Remote)

November 2025

Tools: Tableau, Excel

- Completed a job simulation involving AI-powered data analytics and strategy development for the Financial Services team at Tata iQ.
- Conducted exploratory data analysis (EDA) using GenAI tools to assess data quality, identify risk indicators, and structure insights for predictive modeling.

Projects

CONTRA - AI-Driven Data-to-Art and Storytelling Platform | Python, TensorFlow, Stable Diffusion, LLaMA

- Developed a multimodal AI platform to transform text into contextual narratives, visuals, and chatbot interactions
- Engineered scalable APIs integrating Natural Language Processing (LLaMA) and image generation (Stable Diffusion) models
- Built real-time data pipelines aggregating data from Wikipedia, DBpedia, and GNews for contextual enrichment

ORBITUNE - AI-Powered 16D Music Experience | Python, Librosa, Demucs, FFmpeg, Gemini API

- Engineered an AI audio processing system to convert stereo tracks into immersive 16D audio using Digital Signal Processing (DSP) and Machine Learning algorithms
- Integrated an emotion-aware chatbot (Gemini API) for user mood detection and personalized music recommendations
- Implemented audio feature extraction and transformation techniques using Librosa and Demucs

Chhattisgarh Reservoir Level Modeling | Python, XGBoost, Plotly, Tensorflow, Scikit-Learn

- Processed hydrological (India-WRIS) and meteorological (IMD) data, converting raw daily files into a clean, weekly time-series for analysis.
- Trained and compared SARIMA (statistical) and LSTM (deep learning) models to forecast weekly reservoir water storage.

Certifications and Awards

Nvidia - AI Infrastructure and Operations Fundamentals

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

Achievement of Academic Excellence Award - 100 percent scholarship